Proposal Full View

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Applicant Information

Organization Name	County of Humboldt *
Tax ID	**946000513**
Proposal Name	North Coast Integrated Regional Water Management Plan, Proposition 84, Round 1, Implementation Grant *
Proposal Objective	This proposal seeks funding for the implementation of North Coast Integrated Regional Water Management Plan (NCIRWMP), Proposition 84, Round 1, Priority Projects identified by the North Coast Regional Water Management Group (NCRWMG) as having important local, regional and statewide benefit, meeting statewide priorities and addressing NCIRWMP objectives. The NCRWMG developed regional goals based on issues of concern in the North Coast region including the state of water resources, watershed conditions and economic vitality of the region. The overarching goals include: • Salmonid recovery • Enhancing beneficial uses of water • Intra-regional cooperation • Energy independence and climate change mitigation & adaptation • Enhancing public health and economic vitality in disadvantaged communities Supporting these goals are the following seven primary integrated water management objectives for the North Coast region. Each of the nineteen Priority Projects represented in this proposal address multiple objectives. The percentage of Priority Projects that address each NCIRWMP objective is listed in parenthesis below. 1. Conserve and enhance native salmonid populations by protecting and restoring required habitats, water quality and watershed processes (89%) 2. Protect and enhance drinking water quality to ensure public health (58%) 3. Ensure adequate water supply while minimizing environmental impacts (47%) 4. Support implementation of Total Maximum Daily Loads (TMDLs), the North Coast RWQCB Watershed Management Initiative, and the Non-Point Source Program Plan (68%) 5. Address environmental justice issues as they relate to disadvantaged communities, drinking water quality and public health (89%) 6. Provide an ongoing, inclusive framework for efficient intra-regional cooperation, planning and project implementation (79%) 7. Implement energy independence, greenhouse gas emissions or climate change adaptation project elements (37%) *

Budget

Other Contribution	$0.00
Local Contribution	$0.00
Federal Contribution	$0.00
Inkind Contribution	$0.00
Amount Requested	$8,221,061.00 *
Total Project Cost	$12,761,642.00 *

Geographic Information

Latitude *	DD(+/-)	40	MM	40	SS	55	
Longitude *	DD(+/-)	-123	MM	5	SS	12	
Longitude/Latitude Clarification	Centroid of North Coast region				Location		The North Coast IRWM Region is consistent with the State Water Board Region 1
County	Del Norte,Siskiyou,Modoc,Humboldt,Trinity,Glenn,Lake,Mendocino,Sonoma,Marin *						
Ground Water Basin	Alexander Valley-Alexander,Alexander Valley-Cloverdale,Anderson Valley,Annapolis Ohlson Ranch Fm Highlands,Big Lagoon Area,Big River Valley,Bodega Bay Area,Branscomb Town Area,Bray Town Area,Cottoneva Creek Valley,Covelo Round Valley,Dinsmores Town Area,Eden Valley,Eel River Valley,Eureka Plain,Eureka Valley,Fairchild Swamp Valley,Fort Bragg Terrace Area,Fort Ross Terrace Deposits,Garberville Town Area,Garcia River Valley,Gravelly Valley,Happy Camp Town Area,Hayfork Valley,Hettenshaw Valley,Honeydew Town Area,Hoopa Valley,Hyampom Valley,Kenwood Valley,Klamath River Valley-Lower Klamath,Klamath River Valley-Tulelake,Knights Valley,Larabee Valley,Laytonville Valley,Little Lake Valley,Little Valley,Lower Klamath River Valley,Lower Laytonville Valley,Lower Russian River Valley,Mad River Valley-Dows Prarie School,Mad River Valley-Lowland,Mattole River Valley,Mcdowell Valley,Navarro River Valley,Pepperwood Town Area,Potter Valley,Prairie Creek Area,Red Rock Valley,Redwood Creek Area,Sanel Valley,Santa Rosa Valley,Santa Rosa Valley-Healdsburg,Santa Rosa Valley-Rincon Valley,Santa Rosa Valley-Santa Rosa Plain,Scott River Valley,Seiad Valley,Shasta Valley,Sherwood						

		Valley,Smith River Plain,Ten Mile River Valley,Ukiah Valley,Weott Town Area,Williams Valley,Wilson Grove Formation Highlands,Wilson Point Area
Hydrologic Region		North Coast
Watershed	Klamath, Trinity River, Humboldt Bay, Eel River, North Coast Rivers, & Russian/Bodega Bay Watershed Management Areas	

Legislative Information

Assembly District	1st Assembly District,2nd Assembly District,4th Assembly District,6th Assembly District *
Senate District	1st Senate District,2nd Senate District,3rd Senate District,4th Senate District *
US Congressional District	District 1 (CA),District 2 (CA),District 6 (CA),District 7 (CA) *

Project Information

Project Benefits Information

Project Name: Russian River Arundo donax Removal and

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Eradication/Treatment of Invasive Species	150	This project will remove invasive Arundo donax from 150 infested acres of the mainstem Russian River.
Secondary	Ecosystem: Riparian Habitat	150	This project will improve riparian habitat in the Russian River watershed. The Arundo removal area has been strategically selected to create the best potential for riparian habitat improvement and builds off previous treatment years and adjacent removal sites where Arundo is already controlled. Riparian plantings will speed ecosystem recovery.
Tertiary	Threatened or Endangered Species Recovery	0	By improving riparian habitat and removing Arundo, this project will improve salmonid habitat. Arundo does not provide a canopy to shade streams and utilizes much more water than native plants; replacing it with native riparian plants will provide shade, improve instream flow, and provide leaf litter for aquatic macroinvertebrates, which are a food source for juvenile salmonids.
Quaternary	Erosion Control-Bank Restoration/Stabilization	0	Although initially planted for erosion control purposes, Arundo has been found to exacerbate bank erosion, causing large bank failures when their shallow root systems give way during storm events. These events

			lead to sedimentation and the associated reduction in water quality. Removal of Arundo and replacement with native vegetation will increase water quality and reduce sedimentation.

Budget

Other Contribution	0
Local Contribution	70000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	225000
Total Project Cost	295000

Geographic Information

Latitude DD(+/-)	38	MM	42	SS	26
Longitude DD(+/-)	-122	MM	53	SS	22
Longitude/Latitude Clarification			Location		

County	Sonoma
Ground Water Basin	Alexander Valley-Alexander
Hydrologic Region	North Coast
WaterShed	

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 1 (CA)

Project Information

Project Benefits Information

Project Name: Copeland Creek Habitat Restoration and S

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Eradication/Treatment of Invasive Species	10	This project will remove invasive species from approximately 10 acres of riparian habitat.
Secondary	Ecosystem: Riparian Habitat	21	This project will improve riparian habitat in the Copeland Creek watershed by removing invasive non-natives and replacing them with up to 14,650 plants.
Tertiary	Sediment Removal-Other	11000	This project will strategically remove sediment to improve the natural geomorphic functioning of this reach, improve fish passage, and water quality.
			This project will improve the natural geomorphic funcitioning of this reach to mitigate flooding and

Quaternary	Flood Control/Protection Corridor	0	improve fish passage and water quality. 30% design of stormwater detention/surface water rechange basins will be completed during this Phase of project implementation.

Budget

Other Contribution	0
Local Contribution	333333
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1000000
Total Project Cost	1333333

Geographic Information

Latitude DD(+/-)	38	MM	20	SS	33
Longitude DD(+/-)	-122	MM	41	SS	10
Longitude/Latitude Clarification			Location		

County	Sonoma
Ground Water Basin	Santa Rosa Valley
Hydrologic Region	North Coast
WaterShed	Russian River

Legislative Information

Assembly District	6th Assembly District
Senate District	3rd Senate District
US Congressional District	District 6 (CA)

Project Information

Project Benefits Information

Project Name	Camp Creek Habitat Protection-Road Dec

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	75000
Inkind Contribution	0
Amount Requested	300000
Total Project Cost	375000

Geographic Information

Latitude DD(+/-)	41	MM	19	SS	46
Longitude DD(+/-)	-123	MM	36	SS	46
Longitude/Latitude Clarification			Location		

County	Humboldt
Ground Water Basin	
Hydrologic Region	
WaterShed	Klamath

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 1 (CA)

Project Information

Project Benefits Information

Project Name: Mendocino Jumpstart Integrated Water Pla

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Watershed Protection-Water Quality Improvement	0	This project will lead to water quality improvements in the watershed through project implementation - bioswales and turf conversion to drought-tolerant landscaping will decrease pollutants released into streams. Rainwater catchment and irrigation water recycling will reduce the need to utilize potable water for landscape irrigation, leaving more water instream - and thus cooler water instream - during the critical summer months when cool water temperatures are necessary for juvenile salmonid survival. The education components of these projects are likely to lead to the implementation of similar projects within this and other watersheds in the North Coast, further protecting water quality.

Budget

Other Contribution	0
Local Contribution	51050
Federal Contribution	0
Inkind Contribution	0
Amount Requested	400000
Total Project Cost	451050

Geographic Information

Latitude DD(+/-)	39	MM 9	SS 26	
Longitude DD(+/-)	-123	MM 12	SS 29	
Longitude/Latitude Clarification			Location	

County	Mendocino
Ground Water Basin	Ukiah Valley
Hydrologic Region	North Coast
WaterShed	

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 1 (CA)

Project Information

Project Benefits Information

Project Name

Nissa-kah Creek Fish Passage Removal

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Fish Passage/Screens	2	This project will restore fish passage, increasing the viability of the remnant population of steelhead that spawn in this headwater stream, will help restore a part of the cultural heritage of the Hopland Tribe, and will benefit salmonid restoration efforts in the Russian River watershed.
Secondary	Wildlife Corridor/Habitat Linkage	0	Improved passage will allow for all age classes of steelhead/rainbow trout to travel upstream and downstream in Nissa Kah Creek, allowing the fish into upstream habitat that was formerly inaccessible.
Tertiary	Threatened or Endangered Species Recovery	0	By improving access to spawning and rearing habitat, this project will aid in steelhead restoration efforts in the larger Russian River watershed.
Quaternary	Fisheries	0	Improvements to steelhead populations in Nissa Kah Creek and the Russian River watershed is expected to have beneficial impacts on the steelhead fishery.

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	313242
Inkind Contribution	0
Amount Requested	803000
Total Project Cost	1116242

Geographic Information

Latitude DD(+/-)	38	MM	58	SS	47
Longitude DD(+/-)	-123	MM	3	SS	28
Longitude/Latitude Clarification			Location		

County	Mendocino
Ground Water Basin	Mcdowell Valley
Hydrologic Region	North Coast
WaterShed	Russian River

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 1 (CA)

Project Information

Project Benefits Information

Project Name Bodega Bay HU Water Resources Manage

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Storage - - Surface-Water Supply Enhancement	0.01	This project will increase instream water supply for endangered salmonids by capturing rainwater during the winter months for municipal, residential, and agricultural uses, reducing withdrawals during the water-limited summer months.
Secondary	Sediment Removal-Water Quality Improvement	2.48	This project will stabilize actively eroding gullies that are currently delivering sediment to instream habitat, degrading salmonid habitat and impacting water quality.
Tertiary	Ecosystem: Riparian Habitat	30	Through riparian planting of native riparian plants, riparian habitat will be improved, thus improving instream habitat for endangered salmonids.
Quaternary	Threatened or Endangered Species Recovery	0	Increases to instream flow, reduction of sediment delivery, and riparian restoration will improve endangered salmonid habitat. These improvements are expected to lead to an increase in juvenile salmonid survival during the warm summer months, with an overall positive impact on salmonid populations.

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	255205
Inkind Contribution	0
Amount Requested	700000
Total Project Cost	955205

Geographic Information

Latitude DD(+/-)	38	MM	19	SS	59
Longitude DD(+/-)	-123	MM	2	SS	53
Longitude/Latitude Clarification			Location		

County	Sonoma
Ground Water Basin	Bodega Bay Area
Hydrologic Region	North Coast
WaterShed	Bodega

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 6 (CA)

Project Information

Project Benefits Information

Project Name: Lower Russian River Water Quality Improv

Project Benefit	Benefit Type	Measurement	Description

Type			
Primary	Watershed Protection-Water Quality Improvement	8.15	Both phases of this project will provide watershed protection through the enhancement of water quality. Sedimentation in the Austin Creek watershed will be reduced and pathogen loading in the Lower Russian River will be addressed. Both phases will be publicized and contain an educational component; these are expected to lead to further sediment removal and pathogen reduction implementation efforts.
Secondary	Sediment Removal-Water Supply Enhancement	8.15	This project will storm-proof 96 sediment source features on almost 12 miles of connected road, improving instream habitat for endangered salmonids.
Tertiary	Threatened or Endangered Species Recovery	0	Through implementation of sediment stabilization projects, this project will keep over 12,000 cubic yards of sediment from entering the Austin Creek watershed. Sediment negatively impacts spawning gravels and juvenile rearing habitat; its removal will result in improved habitat.
Quaternary	Signficant Ecoystems and Natural Landscapes	0	The Russian River watershed has been identified by NOAA as akey component for coho salmon recovery while the NCRWQCB has listed sediment as one of the primary pollutants of concern affecting water quality in the Russian/Bodega Watershed Management Area. This project will reduce sedimentation and thus improve salmonid habitat in this important watershed.

Budget

Other Contribution	0
Local Contribution	41500
Federal Contribution	0
Inkind Contribution	0
Amount Requested	375000
Total Project Cost	416500

Geographic Information

Latitude DD(+/-)	38	MM	28	SS	5
Longitude DD(+/-)	-123	MM	1	SS	56
Longitude/Latitude Clarification			Location		

County	Sonoma
Ground Water Basin	Lower Russian River Valley
Hydrologic Region	North Coast
WaterShed	

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 6 (CA)

Project Information

Project Benefits Information

Project Name: Ackerman Creek Habitat Restoration

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Eradication/Treatment of Invasive Species	4	This project will eradicate Arundo and blackberry within the project area and maintain the project site for several years to prevent reinfestation.
Secondary	Ecosystem: Riparian Habitat	4	The project will replant riparian forest with native plants that have cultural value to Native Americans and that improve instream habitat for salmonids and other aquatic species.
Tertiary	Interpretive Enhancements-Educational	10	Tribal youth will be involved in invasive removal, re-vegetation and long-term project maintenance. Field-based science and culture lessons will be developed for the youth that tie into their on-the-ground efforts.
Quaternary	Threatened or Endangered Species Recovery	0	Invasive species removal and native riparin revegetation will enhance instream habitat for endangered salmonids by providing shade, nutrients for aquatic invertebrates, bank stabilization, and provision of greater instream water supply (Arundo donax is known to utilize more water than native vegetation).

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	180000
Inkind Contribution	0
Amount Requested	46950
Total Project Cost	226950

Geographic Information

Latitude DD(+/-)	39	MM	10	SS	43
Longitude DD(+/-)	-123	MM	12	SS	59
Longitude/Latitude Clarification			Location		

County	Mendocino
Ground Water Basin	Ukiah Valley
Hydrologic Region	North Coast
WaterShed	Russian River

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 1 (CA)

Project Information

Project Benefits Information

Project Name: Indian Creek Sewer Pipeline Crossing

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Quality Infrastructure-Improved wastewater treatment plant	60000	This project will replace an existing sewer pipeline crossing of Indian Creek with a new sewer pipeline crossing attached to the adjacent State Highway 96 Bridge, where it will be outside of the 100-year floodplain.
Secondary	Flood Protection	0	This project will significantly reduce the potential for flood damage to the creek sewer pipeline crossing by removing the aging pipeline, which is exposed in the creek bed, and replacing it with a new pipeline that is outside of the 100-year floodplain.
Tertiary	Training and Outreach	0	A secondary benefit of this project is to provide economic benefits to the Karuk Tribe, eligible Indian and Alaska Native construction firms, and eligible Native American construction workers during contracts for this work.
Quaternary	River Channel Restoration	0	A secondary benefit of this project is to provide economic benefits to the Karuk Tribe, eligible Indian and Alaska Native construction firms, and eligible Native American construction workers during contracts for this work.

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	355000
Inkind Contribution	0
Amount Requested	542000
Total Project Cost	897000

Geographic Information

Latitude DD(+/-)	41	MM 47	SS 27
Longitude DD(+/-)	-123	MM 22	SS 44
Longitude/Latitude Clarification		Location	

County	Siskiyou
Ground Water Basin	Happy Camp Town Area
Hydrologic Region	North Coast
WaterShed	Klamath

Legislative Information

Assembly District	2nd Assembly District
Senate District	4th Senate District
US Congressional District	District 2 (CA)

Project Information

Project Benefits Information

Project Name: Happy Camp Water Treatment System Up

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other-Improved Water Supply Facilities	0	This project will provide critical infrastructure improvements to the water treatment system for an economically disadvantaged community. It will install new water treatment equipment and associated items to comply with upcoming State Drinking Water requirements.
Secondary	Flood Protection	0	This project will relocate critical electrical equipment that runs the plant a safe distance outside the 100-year floodplain; currently, the existing electrical equipment is considered to be at risk of damage during floods less frequent than the 100-year flood.
Tertiary	Training and Outreach	0	A secondary benefit of this project is to provide economic benefits to the Karuk Tribe, eligible Indian and Alaska Native construction firms, and eligible Native American construction workers during contracts for this work.

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	251000
Inkind Contribution	0
Amount Requested	253000
Total Project Cost	504000

Geographic Information

Latitude DD(+/-)	41	MM	47	SS	17
Longitude DD(+/-)	-123	MM	23	SS	6
Longitude/Latitude Clarification			Location		

County	Siskiyou
Ground Water Basin	Happy Camp Town Area
Hydrologic Region	North Coast
WaterShed	Klamath

Legislative Information

Assembly District	2nd Assembly District
Senate District	4th Senate District
US Congressional District	District 2 (CA)

Project Information

Project Benefits Information

Project Name: Del Norte Agricultural Enhancement Progra

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Agricultural Drainage-Water Quality Improvement	0	This project will help dairies in the Smith River and Lake Earl watersheds improve their waste management systems; it provides funding for diaries that need financial assistance to improve stewardship.
Secondary	Watershed Protection-Water Quality Improvement	0	This project will improve water quality in the Smith River and Lake Earl watersheds through planning, prioritization, and development of dairy waste management systems.
Tertiary	Management Plans-Other	0	This project will improve water quality through planning, prioritization, and development of dairy waste management systems in the Smith River and Lake Earl watersheds.
Quaternary	Working Land/Farmland Conservancy	0	Implementation of this project will enable working farms to decrease nutrient loading into the Smith River and Lake Earl watersheds, reducing the likelihood of noncompliance with environmental regulations and helping to preserve the agricultural heritage of the watersheds and region.

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	240000
Inkind Contribution	0
Amount Requested	250000
Total Project Cost	490000

Geographic Information

Latitude DD(+/-)	41	MM	47	SS	23
Longitude DD(+/-)	-124	MM	3	SS	48
Longitude/Latitude Clarification			Location		

County	Del Norte
Ground Water Basin	Smith River Plain
Hydrologic Region	North Coast
WaterShed	Smith River

Legislative Information

Assembly District	1st Assembly District
Senate District	4th Senate District
US Congressional District	District 1 (CA)

Project Information

Project Benefits Information

Project Name: Waterfall Gulch Transmission Main Project

Project			

Benefit Type	Benefit Type	Measurement	Description
Primary	Other-Improved Water Supply Facilities	15000	This project will replace a 50-year-old existing raw water transmission main with a new, 10" PVC pipe. Replacement will incorporate solutions for better access to the line in case of emergency and have a service life of at least 75 years.
Secondary	Threatened or Endangered Species Recovery	0	Construction of the new main line will reduce the amount of water pumped from the Noyo River, which is critical habitat for salmon.

Budget

Other Contribution	0
Local Contribution	238305
Federal Contribution	0
Inkind Contribution	0
Amount Requested	550000
Total Project Cost	788305

Geographic Information

Latitude DD(+/-)	39	MM 25	SS 38	
Longitude DD(+/-)	-123	MM 47	SS 40	
Longitude/Latitude Clarification		Location		

County	Mendocino
Ground Water Basin	Fort Bragg Terrace Area
Hydrologic Region	North Coast
WaterShed	

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 2 (CA)

Project Information

Project Benefits Information

Project Name HBMWD Blue Lake Fieldbrook Pipeline Su

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other-Improved Water Supply Facilities	0	This project replaces a water supply pipeline attached to a 1930s era bridge that was not constructed to modern seismic standards. The bridge has not been used or maintained in many years and if it fails, it will damage the pipeline and interrupt the sole domestic water service to the Disadvantaged Communities of Blue Lake and Fieldbrook.

Budget

Other Contribution	0
Local Contribution	0

Federal Contribution	903579
Inkind Contribution	0
Amount Requested	700000
Total Project Cost	1603579

Geographic Information

Latitude DD(+/-)	40	MM	54	SS	17
Longitude DD(+/-)	-124	MM	2	SS	22
Longitude/Latitude Clarification			Location		

County	Humboldt
Ground Water Basin	Mad River Valley-Lowland
Hydrologic Region	North Coast
WaterShed	Mad River

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 1 (CA)

Project Information

Project Benefits Information

Project Name: Gualala River Sediment Reduction Prograı

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Erosion Control-Other	18.60	This project will treat 83 sediment sources on 12 miles of high priority roads that will prevent 30,000 cubic yards from entering watercourses in the Robinson Creek Planning Watershed.
Secondary	Ecosystem: Shallow Water/ Marsh/ Wetland Habitat	0	This proposal will place logs and rootwads within instream habitat to provide enhanced salmonid habitat. The placement of large wood in the basin is planned using a phased approach to replicate the natural recruitment process. Wood continues to be placed on an annual basis to reproduce (at an accelerated rate) the natural spatial patterns of large wood abundance across a channel network.
Tertiary	Threatened or Endangered Species Recovery	0	This restoration project will benefit juvenile summer and winter rearing habitat as well as adult migration and spawning habitat, aiding in the recovery of viable California Central Coast coho populations in the Gualala River watershed.

Budget

Other Contribution	0
Local Contribution	308280
Federal Contribution	0
Inkind Contribution	0
Amount Requested	600000
Total Project Cost	908280

Geographic Information

Latitude DD(+/-)	38	MM 39	SS 14	
Longitude DD(+/-)	-123	MM 21	SS 30	
Longitude/Latitude Clarification			Location	

County	Mendocino,Sonoma
Ground Water Basin	Annapolis Ohlson Ranch Fm Highlands
Hydrologic Region	North Coast
WaterShed	Mendocino Coast

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 6 (CA)

Project Information

Project Benefits Information

Project Name	Mattole Integrated Watershed Managemer

Budget

Other Contribution	0
Local Contribution	110480
Federal Contribution	343776
Inkind Contribution	0
Amount Requested	300000
Total Project Cost	754256

Geographic Information

Latitude DD(+/-)	40	MM 18	SS 54	
Longitude DD(+/-)	-124	MM 17	SS 17	
Longitude/Latitude Clarification			Location	

County	Humboldt
Ground Water Basin	Mattole River Valley
Hydrologic Region	North Coast
WaterShed	Cape Mendocino

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 1 (CA)

Project Information

Project Benefits Information

Project Name	Mendocino Headwaters Integrated Water (

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Erosion Control-Other	4.22	Three miles of roads in Jackson State Demonstration Forest will be decommissioned and five stream crossings will

			be upgraded.
Secondary	Fish Passage/Screens	1.20	Five stream crossings, two of which are complete fish passage barriers, will be upgraded.
Tertiary	Ecosystem: Riparian Habitat	2	Riparian connectivity will be restored through removal of invasive non-native plants (Vinca major, Harding grass, Arundo donax, and Himalayan blackberry) and replanting with native, culturally appropriate plant species.
Quaternary	Eradication/Treatment of Invasive Species	2	Non-native plants including Vinca major, Harding grass, Arundo donax, and Himalayan blackberry will be removed.

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	283907
Inkind Contribution	0
Amount Requested	400000
Total Project Cost	683907

Geographic Information

Latitude DD(+/-)	39	MM	3	SS	23
Longitude DD(+/-)	-123	MM	27	SS	2
Longitude/Latitude Clarification				Location	

County	Mendocino
Ground Water Basin	Anderson Valley
Hydrologic Region	North Coast
WaterShed	Mendocino Coast

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 1 (CA)

Project Information

Project Benefits Information

Project Name: Real-Time Weather Data for Irrigation Wat

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Conservation-Water Demand/Conservation	13	This project will provide wind speed, evapotranspiration, temperature (air and soil) and rainfall data through the California Irrigation Water Management Information System (CIMIS) to assist growers with irrigation. This will

			provide increased irrigation efficiencies on over 3000 acres of irrigated pasture.
Secondary	Watershed Protection-Other	200	Use of the CIMIS system and BMPs will reduce pesticide drift on 200 acres of cropland within an urban-agricultural landscape.

Budget

Other Contribution	4440
Local Contribution	0
Federal Contribution	5420
Inkind Contribution	0
Amount Requested	5000
Total Project Cost	14860

Geographic Information

Latitude DD(+/-)	41	MM 48	SS 4
Longitude DD(+/-)	-124	MM 5	SS 9
Longitude/Latitude Clarification		Location	

County	Del Norte
Ground Water Basin	Smith River Plain
Hydrologic Region	North Coast
WaterShed	Smith River

Legislative Information

Assembly District	1st Assembly District
Senate District	4th Senate District
US Congressional District	District 1 (CA)

Project Information

Project Benefits Information

Project Name: Sustainable Forests, Clean Water & Carbo

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Oak Woodlands	18.50	This project will thin overgrown oak woodlands, restoring this community-type to the structure created by Native American land management activities and reducing the likelihood of a catastrophic forest fire.
Secondary	Erosion Control-Other	17.20	By preventing a catastrophic forest fire, implementation of this project will avoid the sedimentation that occurs after the fire occurs.
			Excess woody biomass impacts the entire forest ecosystem - using more water than well-spaced forests, making it difficult for species to hunt and forage, stunting tree growth, and increasing forest vulnerability to catastrophic

Tertiary	Watershed Protection-Other	0	forest fire events which devastate terrestrial and aquatic habitat and create large amounts of GHG emissions and represent a public health threat. Removal of the excess biomass can be costly; however, this project provides a means (the creation of biochar) to pay for the cost of removal and transportation.
Quaternary	Cultural/Historic Site Preservation	17.20	This project addresses the cultural needs of Native American Tribes; a commitment has been made to open sections of the forest to Native Americans for ceremonial and food harvest and for the creation of acorn harvesting orchards. This commitment will allow tribal members to engage in traditional cultural practices and pass those practices and traditions on to future generations.

Budget

Other Contribution	0
Local Contribution	78040
Federal Contribution	0
Inkind Contribution	0
Amount Requested	250000
Total Project Cost	328040

Geographic Information

Latitude DD(+/-)	39	MM	52	SS	56
Longitude DD(+/-)	-123	MM	44	SS	20
Longitude/Latitude Clarification			Location		

County	Mendocino
Ground Water Basin	
Hydrologic Region	North Coast
WaterShed	Eel River

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 1 (CA)

Project Information

Project Benefits Information

Project Name: Willow Creek Hwy 96 Stormceptor

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Stormwater Flood-Other	0	This project will remove from stormwater released into Orrs Creek potentially harmful contaminants that originate within the commercial district and from vehicles using the two

			state highways that serve the communities.
Secondary	Sediment Removal-Water Supply Enhancement	0	By re-routing stormwater, it will no longer flow freely to the domestic water intake, potentially contaminating drinking water and damaging the filtration hardware for the water treatment system.
Tertiary	Flood Protection	0	The project will construct a stormwater basin that will serve as a delay measure by postponing the peak discharge of storm water from the commercial district into the creek and river. The basin storage will help to diminish the potential of backwater flooding.

Budget

Other Contribution	0
Local Contribution	99024
Federal Contribution	0
Inkind Contribution	0
Amount Requested	110000
Total Project Cost	209024

Geographic Information

Latitude DD(+/-)	40	MM	56	SS	35
Longitude DD(+/-)	-123	MM	37	SS	59
Longitude/Latitude Clarification			Location		

County	Humboldt
Ground Water Basin	
Hydrologic Region	
WaterShed	Trinity River

Legislative Information

Assembly District	1st Assembly District
Senate District	2nd Senate District
US Congressional District	District 1 (CA)

Section : Applicant Information and Question's Tab

APPLICANT INFORMATION AND QUESTION'S TAB

Q1. PROPOSAL DESCRIPTION

Provide a brief abstract of the Proposal, including a listing of individual project titles or types. Please note which projects, if any, directly address a critical water supply or water quality issue for a DAC or Native American Tribal communities.

The NCIRWMP Proposition 84, Round 1 Implementation Proposal (Proposal) and its nineteen high priority projects comprise a geographically diverse and well integrated implementation program with multiple water supply, water quality, climate mitigation/adaptation, habitat restoration and socio-economic benefits. The projects are located in all of the Watershed Management Areas in the North Coast region and address seven IRWM Program Preferences and all of the Statewide Priorities. These include priorities related to TMDL and NPS program implementation and high priority restoration activities focused on endangered salmonids, as well as projects related to water supply reliability, public health, climate change response actions, reduction in conflict between water users, biological diversity and the promotion of environmental justice for disadvantaged communities throughout the region. While nearly all of the prioritized projects benefit disadvantaged communities, fifteen address serious issues related to drinking water supply and water quality in disadvantaged communities. The projects will contribute towards resolving issues related to safe, reliable drinking water and water quality issues in disadvantaged communities (DACs). Following is a listing of NCIRWMP Proposition 84, Round 1 Implementation Priority Projects and the project proponent. The projects that address water supply or water quality issues for DACs or Native American Tribal communities in the North Coast region are indicated with (primary project type) and [DAC name] at the end of each listing. -Ackerman Creek Habitat Restoration, Pinoleville Pomo Nation: (water quality) [Pinoleville Pomo Nation, Ukiah] Bodega Bay HU Water Resources Management Project, Gold Ridge RCD: (water supply) [Valley Ford, Bodega, Bloomfield] -Lower Russian River Water Quality Improvement Project, Sotoyome Resource Conservation District: (water quality) [Guerneville, Monte Rio, Rio Nido, Cazadero] -Mendocino Jumpstart Integrated Water Plan, Mendocino County Water Agency: (water quality) [Ukiah] -Nissa-kah Creek Fish Passage Removal, Hopland Band of Pomo Indians: (salmonid habitat) [Hopland Band of Pomo Indians Reservation] -Russian River

Arundo donax Removal and Riparian Enhancement Program, Sotoyome Resource Conservation District -The Copeland Creek Watershed Detention/Recharge, Habitat Restoration, and Steelhead Refugia Project, Sonoma County Water Agency -Camp Creek Habitat Protection-Road Decommissioning Implementation Project, Karuk Tribe: (water quality)[Orleans, Karuk Tribe] -Indian Creek Sewer Pipeline Crossing, Happy Camp Sanitary District: (water quality) [Happy Camp, Karuk Tribe] -Water Treatment System Upgrade, Happy Camp Community Services District: (water supply) [Happy Camp, Karuk Tribe] -Del Norte Agricultural Enhancement Program, Del Norte Resource Conservation District: (water quality) [Smith River, Crescent City] -Gualala River Sediment Reduction Program, Gualala River Watershed Council: (water quality) [Kashia Band of Pomo Indians of the Stewarts Point Rancheria] -Mattole Integrated Watershed Management Initiative, Mattole Restoration Council: (water supply / water quality) [Honeydew, Whitethorn, Petrolia] -Mendocino Headwaters Integrated Water Quality Enhancement Project, Mendocino County RCD: (water quality) [Yokayo Rancheria] -Real-Time Weather Data for Irrigation Water Management, Del Norte Resource Conservation District: (water supply) [Smith River, Crescent City] -Waterfall Gulch Transmission Main, City of Fort Bragg: (water supply) [Fort Bragg] -Blue Lake Fieldbrook Pipeline Support Retrofit, Humboldt Bay Municipal Water District: (water supply) [Blue Lake, Fieldbrook, Glendale] -Sustainable Forests, Clean Water & Carbon Sequestion Demonstration Project, Redwood Forest Foundation Inc: (water quality) [Piercy, Leggett, Hales Grove, Whitethorn] -Hwy 96 Stormceptor, Willow Creek Community Services District: (water quality) [Willow Creek]

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Kirk Girard Director, Community Development Services County of Humboldt 3015 H Street Eureka, CA 95501 Ph: (707) 268-3735 Fax: (707) 445-7446 kgirard@co.humboldt.ca.us

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Jennifer Jenkins Supervising Planner, Natural Resources Planning Division Community Development Services Department, County of Humboldt 3015 H Street Eureka, CA 95501 707.268.3795 (direct) 707.445.7446 (fax) jjenkins@co.humboldt.ca.us

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

County of Humboldt 3015 H Street Eureka, CA 95501

Q5. ADDITIONAL INFORAMTION

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

North Coast

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD(S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.
http://www.waterboards.ca.gov/waterboards_map.shtml

North Coast - State Water Board Region 1

Q7. ELIGIBILITY

Proposition 84 requires a minimum funding match of 25% of total project cost unless there is a DAC project included in the proposal. Requirements for DAC funding match reductions are included in Exhibit G of this PSP. If your matching funds are less than 25%, please explain.

The NCIRWMP Proposition 84, Round 1 Implementation Grant Proposal includes a non-state funding match of 35%. Seventeen of the nineteen Priority Projects benefit economically disadvantage communites and Native American Tribal communities.

Q8. ELIGIBILITY

Does the application represent a single application from an IRWM Region approved in the RAP (see Section II.B, Table 1)? If yes, include the name of the IRWM Region. If not, explain.

North Coast region

Q9. ELIGIBILITY

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

a) Yes
b) No

Q10. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q11 and Q12.

The NCIRWMP Proposition 84, Round 1 Implementation Grant Proposal includes two high priority projects sponsored by urban water suppliers ??? Sonoma County Water Agency and Humboldt Bay Municipal Water District. Attachment 13 includes AB 1420 and Water Meter compliance self-certification documentation and original signed hard copies were submitted to Department of Water Resources (DWR) on January 7, 2011.

Q11. ELIGIBILITY

Have all of the urban water suppliers, listed in Q10 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q10, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

The Sonoma County Water Agency submitted a complete 2005 Urban Water Management Plan (UWMP) to the DWR on December 16, 2006. On November 19, 2007, the Sonoma County Water Agency received a letter from DWR indicating that the Water Agency???s UWMP was complete. The Sonoma County Water Agency is preparing its 2010 UWMP consistent with the 2010 UWMP Guidebook, and anticipates submitting it by the July 1, 2011. The Humboldt Bay Municipal Water District submitted a complete 2005 UWMP to DWR and was verified as complete. The Humboldt Bay Municipal Water District is on track to submit an updated 2010 UWMP by May 2011 to DWR consistent with the 2010 UWMP Guidebook released in late November 2010.

Q12. ELIGIBILITY

Have any urban water suppliers listed in Q10 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

The Sonoma County Water Agency has not submitted AB 1420 compliance tables or supporting documentation to the Department of Water Resources for any other grant program within the last three months. The Humboldt Bay Municipal Water District has not submitted the AB1420 compliance documentation to DWR for any other projects.

Q13. ELIGIBILITY

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

The NCIRWMP Proposition 84, Round 1 Implementation Grant Proposal is comprised of projects that do not involve groundwater management or recharge, and that have no impacts on groundwater ??? either positive or negative.

Q14. ELIGIBILITY

For the agency(ies) listed in Q13, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

n/a

Q15. ELIGIBILITY

Does the IRWM region receive water supplied from the Sacramento-San Joaquin Delta? Please answer yes or no. If no, please explain. If yes, please answer Question 16.

The North Coast region does not receive water supplied from the Sacramento-San Joaquin Delta. Rather, through the Trinity River diversion, it contributes water to the Sacramento-San Joaquin Delta.

Q16. ELIGIBILITY

Does the existing IRWM Plan help reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

This question is not applicable to the NCIRWMP ??? the North Coast supplies water to the Sacramento-San Joaquin Delta, it does not receive water from it.

Q17. ELIGIBILITY

If an update to the plan takes place in the near future, will the updated plan continue to reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

The updated NCIRWMP Version III will not address water supply from the Sacramento-San Joaquin Delta because it does not receive water from the Delta; it provides some water to the Delta through the Trinity River diversion.

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

A1. ATTACHMENT 1

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att1_IG1_NorthCoastIRWMP_Eligible_1of1.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

A2. ATTACHMENT 2

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att2_IG1_Adopt_NorthCoastIRWMP_1of2.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Last Uploaded Attachments:
Att2_IG1_Adopt_NorthCoastIRWMP_2of2.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

A3. ATTACHMENT 3

Upload the Work Plan here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att3_IG1_NorthCoastIRWMP_WorkPlan_1of11.pdf

Upload additional work plan components here.

Last Uploaded Attachments:
Att3_IG1_NorthCoastIRWMP_WorkPlan_2of11.pdf

Upload additional work plan components here.

Last Uploaded Attachments:
Att3_IG1_NorthCoastIRWMP_WorkPlan_3of11.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3_IG1_NorthCoastIRWMP_WorkPlan_memo_1of1.pdf

Upload additional work plan components here.

Last Uploaded Attachments:
Att3_IG1_NorthCoastIRWMP_WorkPlan_4of11.pdf

A4. ATTACHMENT 4

Upload the Budget here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att4_IG1_NorthCoastIRWMP_Budget_1of1.pdf

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

A5. ATTACHMENT 5

Upload the Schedule here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att5_IG1_NorthCoastIRWMP_Schedule_1of1.pdf

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

A6. ATTACHMENT 6

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_IG1_NorthCoastIRWMP_Measures_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

A7. ATTACHMENT 7

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_IG1_NorthCoastIRWMP_WSBen_1of1.pdf

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

A8. ATTACHMENT 8

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_IG1_NorthCoastIRWMP_WQOtherBen_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Section : Application Attachments Tab (cont)

APPLICATION ATTACHMENTS TAB (CONT)

A9. ATTACHMENT 9

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att9_IG1_NorthCoastIRWMP_DReduc_1of1.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

A10. ATTACHMENT 10

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att10_IG1_NorthCoastIRWMP_BSummary_1of1.pdf

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

A11. ATTACHMENT 11

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att11_IG1_NorthCoastIRWMP_Preference_1of1.pdf

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

A12. ATTACHMENT 12

Upload Disadvantaged Community Assistance documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att12_IG1_NorthCoastIRWMP_DAC_1of1.pdf

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

A13. ATTACHMENT 13

Upload AB 1420 and Water Meter Compliance documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att13_IG1_NorthCoastIRWMP_AB1420_1of1.pdf

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

A14. ATTACHMENT 14

Upload Consent Form here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att14_IG1_NorthCoastIRWMP_Consent_1of1.pdf

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

A15. ATTACHMENT 15

Upload IRWM Plan - Reduce Delta Water Dependence documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin). For the "AttachmentName" in the naming convention of BMS, use "Delta" for this attachment.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.